FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1)this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Jiangsu Zhongheng Pet Articles Joint-Stock Co., Ltd.

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Postal Code: 224014

ZH®

SMARTO 4L/6L
Pet Smart Video Feeder

Operation Manual
DESIGNED BY ZHONGHENG

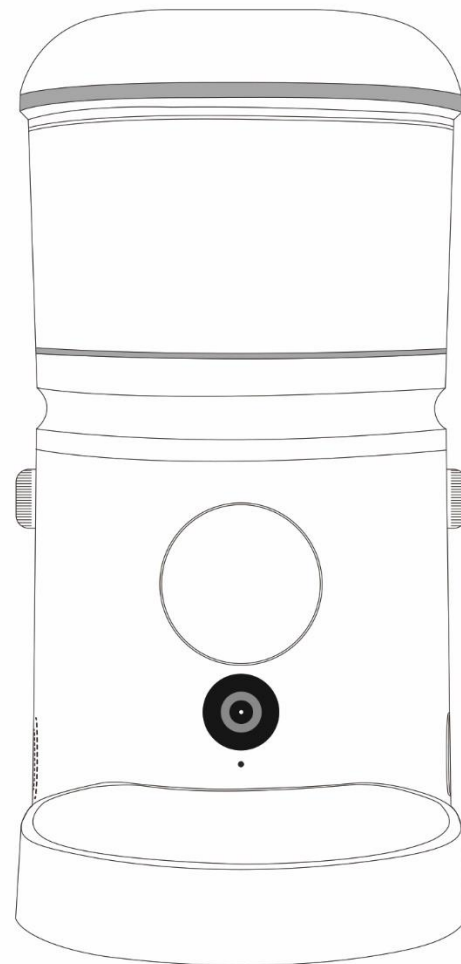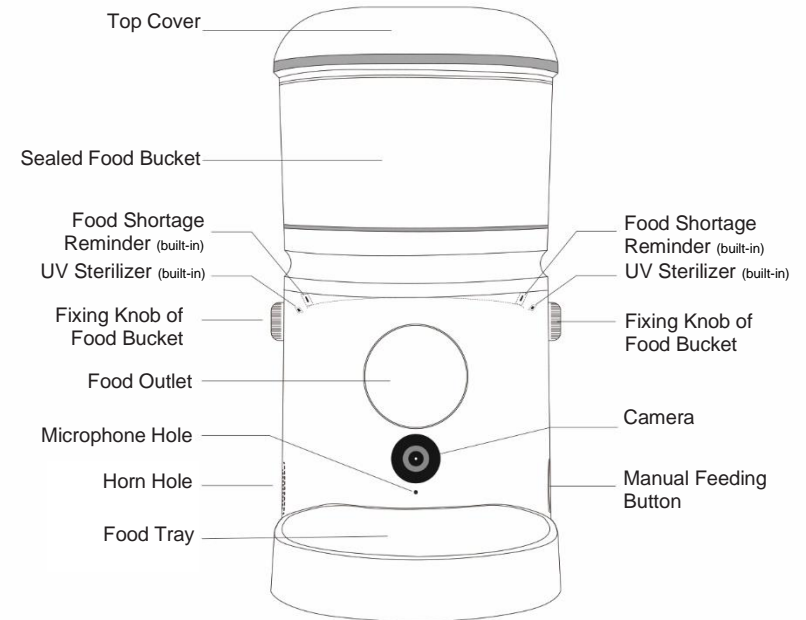Please carefully read this Manual before use and keep it properly.

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Product Introduction

Main Components

Top Cover

Sealed Food Bucket

Food Shortage Reminder (built-in)

UV Sterilizer (built-in)

Fixing Knob of Food Bucket

Food Outlet

Microphone Hole

Horn Hole

Food Tray

Food Shortage Reminder (built-in)

UV Sterilizer (built-in)

Fixing Knob of Food Bucket

Camera

Manual Feeding Button

Product Introduction

Included Items

Power Adapter ×1

Power Cord ×1

Insertion Pin×1

Operation Manual ×1

Product Name	SMARTO 4L/6L Smart Feeder with Camera	Operating Power	DC 5V 2A
Product Model	AFF140	Power Supply Battery	3 No.5 (AA) alkaline batteries
Product Target	Dogs and cats	Applicable Pet Food	Dried/freeze-dried foods (< 25 mm)
Product Dimensions	4L - 217×362×387 mm 6L - 217×362×447 mm	Communication Method	WIFI 2.4GHz
Product Weight	4L - 2.0 kg 6L-2.28kg	APP Support	Android6.0/IOS8.0 and later
Product Material	Environment-friendly ABS + PET	Storage Function	MicroSD cards (16-512GB, Class10 and later memory cards supported)

> ⚠ **Notes** We will regularly carry out product improvements to provide better products; If the product illustration is slightly different from the physical product, the latter shall prevail; In this manual, a 4L bucket-shape product is taken as an example.

Instructions for Safe Use

- This product is suitable for dried pet foods or freeze-dried foods with a diameter less than 25 mm and cannot contain any wet foods. Do not add any foreign objects other than pet foods into the food bucket;
- The product is neither allowed to immerse, soak, or rinse, nor be exposed to moisture, high temperature, or direct sunlight;
- It's recommended to clean its food delivery assembly every other month to avoid debris accumulation;
- The product applies to cats or medium- and small-sized dogs;
- Please use the product indoors and keep it away from fire;
- It's recommended to put the feeder in a corner or near a wall to prevent it from being toppled over by a pet;
- Please use the original adapter and power cord. While (un)plugging the adapter, do not directly pull the power cord;
- The device only supports TF (MicroSD) cards in FAT32 format. Any MicroSD card in other formats, if inserted, will be automatically formatted by the device. Therefore, please back up your data from the MicroSD card beforehand;
- This product uses 3 No.5 (AA) batteries (alkaline ones recommended). If the feeder is not to be used in a long term, please remove the batteries to avoid electrolyte leakage;
- Do not remove and repair the device by yourself. For any fault or damage, please contact after sales in time;
- This product can be used by people above 12 years old. Children can only use it under the guidance of adults;
- If you need to go out, please check the batteries inside the battery compartment and ensure sufficient battery power (this product only supports alkaline batteries)

Installation Instructions

Although the product is equipped with an anti-slip mat and a suction disc at its bottom to prevent itself from being toppled over by pets, it's still recommended to put the feeder in a corner or near a wall.
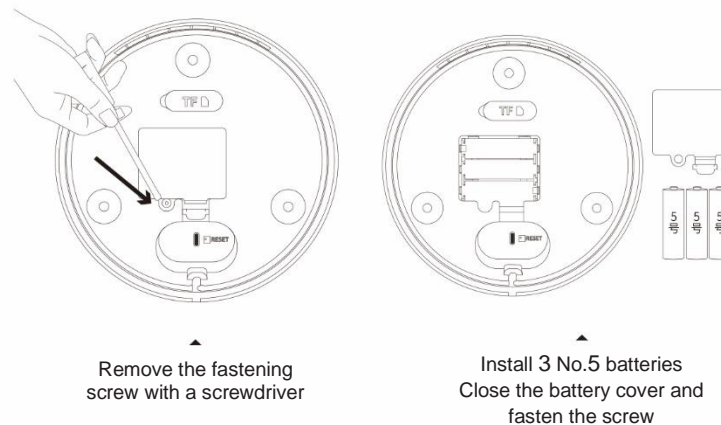
1. Power-on

Insert the power cord into the power port at the bottom, and wait for the device's circular light to turn on blue, which indicates that the device is powered on normally

Battery Cover

Suction Disc

RESET Button

Power Cord

Power Port
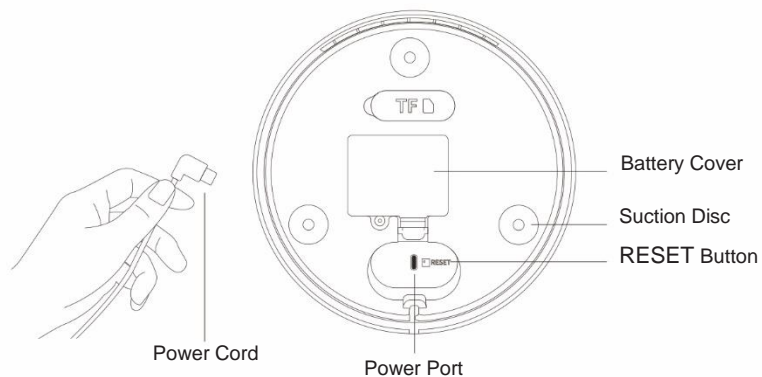
Installation Instructions

2. Battery Installation (the product can work without batteries)

Users can choose whether to install batteries depending on their own needs. The batteries to be used are 3 No.5 (AA) batteries and should be installed at the bottom of the product (the product only supports alkaline batteries)

Remove the fastening
screw with a screwdriver

Install 3 No.5 batteries
Close the battery cover and
fasten the screw

⚠Notes
Power the feeder with the mains for daily use, and take the batteries only as a backup power supply;
When the external mains to the feeder is unexpectedly interrupted, the device will automatically switch to be powered by batteries.
To ensure the long-term normal operation of the basic feeding function as a priority, the feeder will enter the power saving mode.
To ensure normal food dispensing, other functions, such as light effect, food shortage reminding, and UV sterilization, will be turned off.

Installation Instructions

Statuses of Indicator Light

Circular Light

Blue - Constantly on: The device has connected to the network and works normally
Slowly flashing: The device is connecting to the network
Rapidly flashing: The device is waiting for network configuration
Green - Slowly flashing: The device is short of foods
Red - Slowly flashing: There is an abnormality in the device

Operation Instructions

1. APP Download

For your better use of this Smart Pet Feeder with Camera, please scan the QR code below to download and install the Smart Life APP, followed by signing up and logging in.

2. Network Configuration for Product

Insert the included insertion pin into the small hole beside the power port at the product bottom; press and hold the RESET button for 5 seconds until you hear a voice prompt "Entering network configuration mode"; wait for the system to load; when you hear another voice prompt "Waiting to receive wireless configuration information", the circular light on the side of the device will flash in blue, indicating that the device is waiting for network configuration.
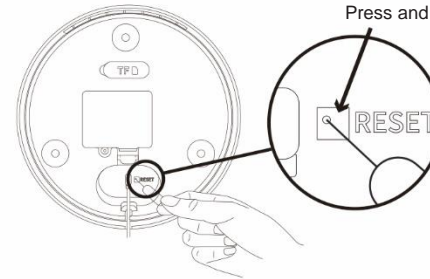
Press and hold for 5 seconds

Operation Instructions

Interface Navigation

1. Open the Smart Life APP, tap "Add Device" at the center, or tap ⊕ at the upper right corner to select a device to add. Select the "Small Household Appliances" category from the list shown below, and then select "IPC Pet Feeder (Wi-Fi)" from this category. At last, follow the operation steps to bind the device.
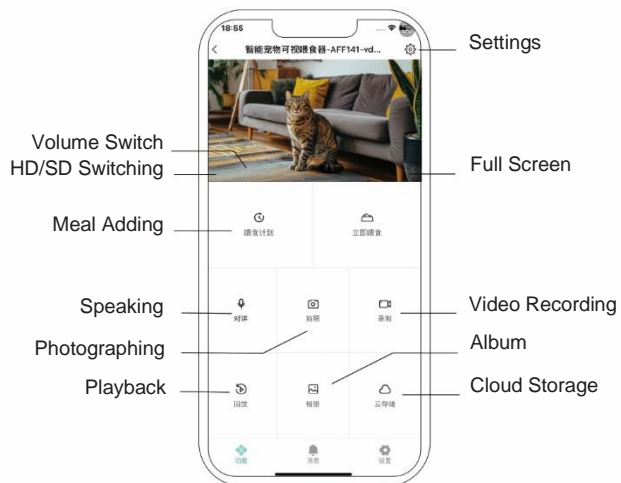

Operation Instructions

Interface Navigation

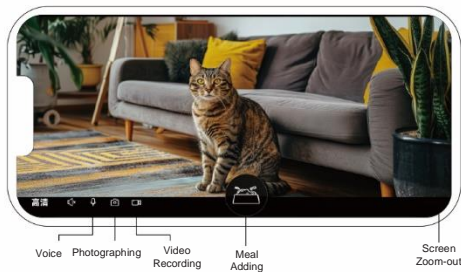| ⚠Notes	"The Smart Feeder with Camera only supports network configuration under the 2.4G Wi-Fi band. Please make sure that the router is operating on 2.4G band during connection; otherwise, the network connection and configuration will fail"

2. Changing the Wi-Fi account and password may cause connectivity issues to the connected device. In this case, unbind the device from the mobile APP and re-configure the network.

Operation Instructions

Interface Navigation

Settings

Volume Switch
HD/SD Switching

Full Screen

Meal Adding

Speaking

Video Recording

Photographing

Album

Playback

Cloud Storage

* Recommended to wipe the camera every
two weeks for a better viewing experience.

Voice Photographing Video Recording Meal Adding Screen Zoom-out

Operation Instructions

Interface Navigation

1 Indicator Light ---- Switch on/off the circular light

2 Privacy Mode ---- Switch on/off the privacy mode

3 IR Night Vision ---- Switch on/off night vision

4 Volume Settings ---- Regulate the call volume

5 Call Ring ---- Switch on/off the call ring

6 Call Ring Volume ---- Regulate the call ring volume

7 Scheduled Sterilization Settings ---- Set timing for UV sterilization

8 Storage Settings ---- View and manage the memory card

9 Video Recording Mode ---- Switch on/off local video recording and set the video recording mode

10 Detection Alarm Settings ---- Set alarm detection

11 Factory Settings Restoration ---- Restore the ex-factory default settings of the product
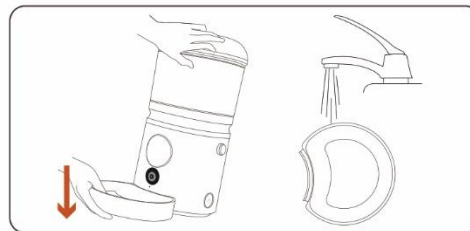
Manual Feeding

By default, press and hold the manual feeding button for 3 seconds to dispense one portion of food (about 15~20 g per portion). You can set the number of portions for manual feeding in the APP.

Removal of Top Cover
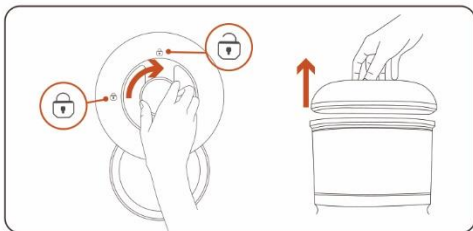
Turn the top cover by 90° from the locking position to the unlocking position, and then lift it upwards

Removal and Installation of Food Tray


1. Removal of Food Tray

Lift one side of the feeder food tray, hold the feeder, and pull out the food tray downwards. The removed food tray can be cleaned, and it is recommended to do so every few days, which can effectively protect your pets from chin acne
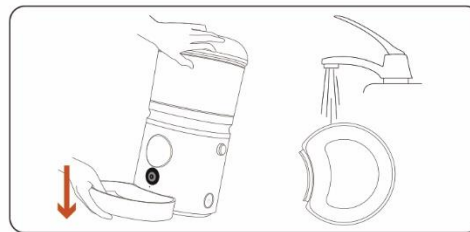
2. Installation of Food Tray

Align the buckle at the feeder bottom (just below the camera) with the food tray buckle; then, directly insert the food tray and lock it in place

Desiccant Placement

Desiccant Placement
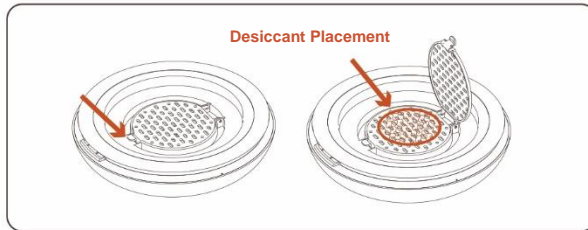
Open the desiccant box built inside the top cover, spread the desiccant flat in the box, and then put the lid on.
It's recommended to replace the desiccant every month

Insertion of Memory Card

This product supports 16-512GB, Class10 and later memory cards (TF=MicroSD cards)
Find the TF card slot at the feeder's bottom, lift the soft rubber cover from the slot, and insert the TF card with its metal surface downwards and toward the battery compartment
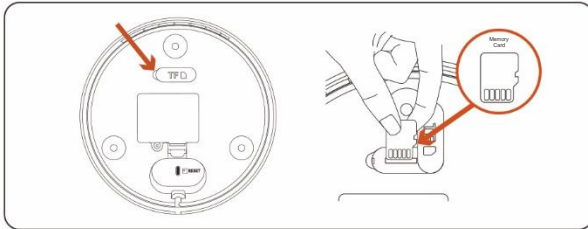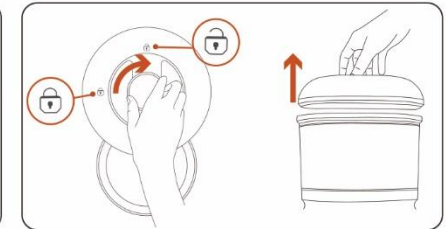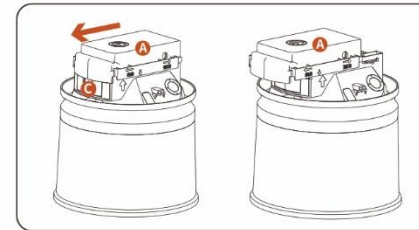

Removal and Installation of Food Bucket

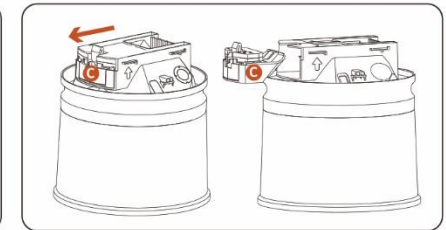## 1. Removal of Food Bucket
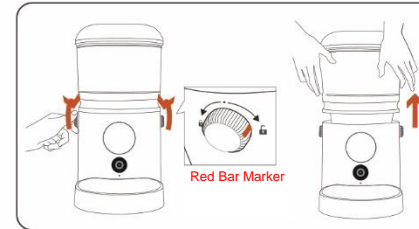
Red Bar Marker

① Turn the red bar marker on the knob to the unlocking icon (🔓) to unlock the food bucket, and then take out the food bucket upwards;

② Turn the top cover to the unlocking position and lift it away

③ Place the food bucket upside down, and hold accessory A and push it out toward the arc

④ Move the top of accessory C toward the arc and then take out accessory C

⚠Notes   Before removal, accessories A and B are integrated. Therefore, when you pushed out accessory A, accessory B will be pushed out together with it. In a few cases, accessory C might also be pushed out together.

Removal and Installation of Food Bucket

Removed Accessories

Top Cover   Food Bucket   Accessory A

Front Back
Side   Side
Accessory B   Accessory C
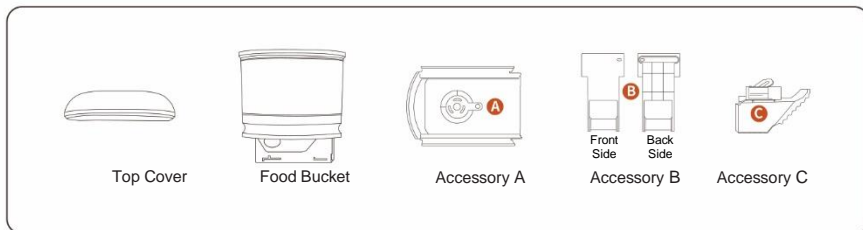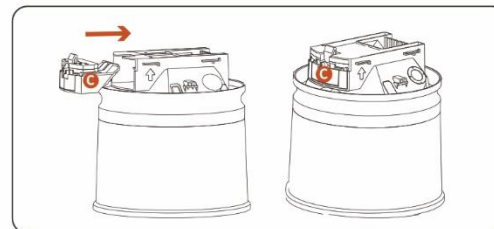
Washing Accessories Regularly
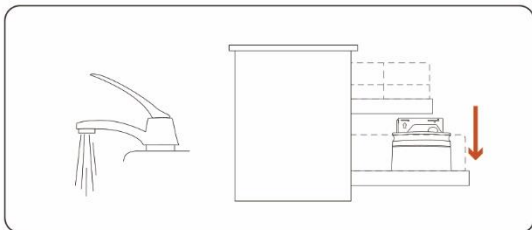
⚠ **Notes** Accessories should be washed regularly and can be rinsed directly with clean water. The food bucket can also be washed with a dishwasher and must be inverted vertically during washing;

Removal and Installation of Food Bucket

2. Installation of Food Bucket

① Place the food bucket upside down on a table, and push accessory C into the food bucket slot until you hear a click
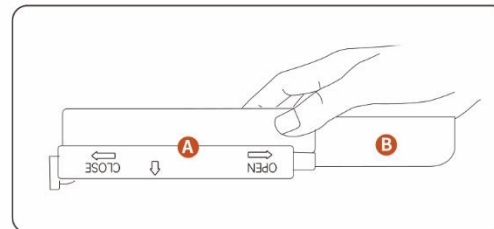
③ Hold assembly AB firmly, and then invert it (be careful since accessory B is prone to fall)

Sliding Groove

Front   Back
Side   Side
Rotating Column

Assembly AB

Removal and Installation of Food Bucket

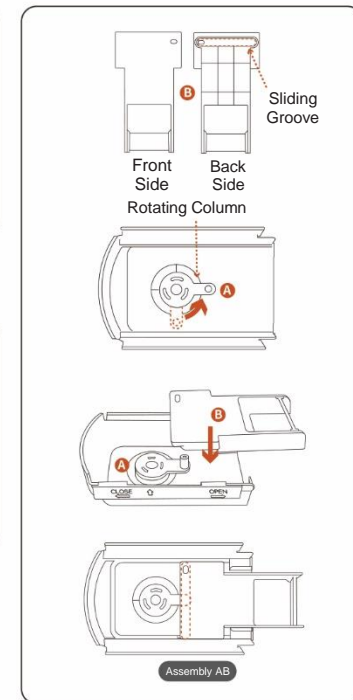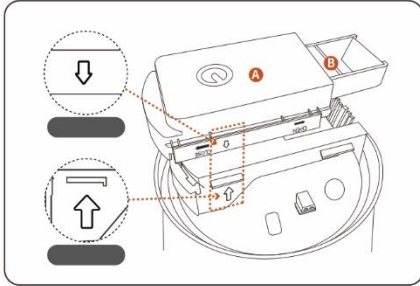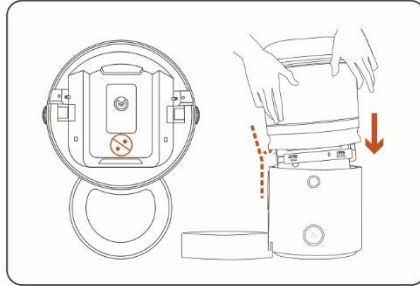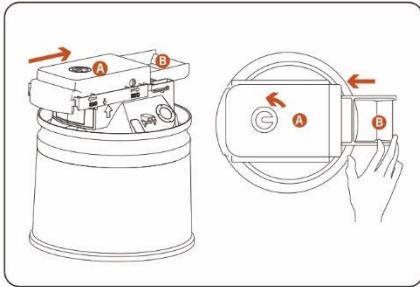④ Align the arrow of accessory A with the arrow of the food bucket to put down the assembly vertically

⑥ Check that there is no food scattered inside the base. Align the food bucket with the base, place the food bucket down by tilting it slightly forward, then press it down and stabilize it

⑤ Slide assembly AB to the most right until you hear a click, which means that the placement is completed; turn the knob on accessory A and push accessory B in by hand
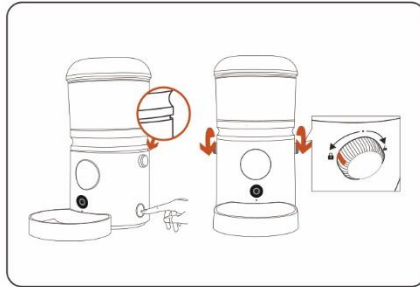
⑦ If the accessory cannot be pressed down and there is still a gap, tap the Manual Feeding button once and press the top slightly, and the food bucket will then be automatically aligned and stabilized;
Turn the red bar marker on the knob to the locking icon (🔒) to lock the food bucket.

FAQ

Q: What should I do when I fail to bind a device to the APP?
A: 1. Ensure that the device is powered on and waiting for network configuration and the indicator light is flashing fast in blue;
2. Check whether the home WIFI network (router) works normally. The device must be added under the 2.4G WIFI frequency band. And then check whether both 2.4G and 5G frequency bands are using the same WIFI name. If yes, it is recommended to use a different WIFI name for the former;
3. Ensure that the device, mobile phone, and router are close to each other with no spacing wall or other obstructions between them;
4. If your binding still fails, please contact our customer service.

Q: What should I do when I try to bind a device to the APP but it prompts that "This device has been bound with another device"?
A: This prompt indicates that the device has been bound with another account and you need to unbind it first. For this purpose, insert the insertion pin included in the product into the small hole beside the power port at the device bottom, and then press and hold the RESET button for 5 seconds. The device will be unbound and reset, and now you can log into your desired account to bind the device to it.

Q: What should I do when the APP suddenly shows that the device is off-line even though the device has been added successfully?
A: 1. Check whether the device is powered on normally;
2. Check whether the device had been disconnected from the power supply or the network. If yes, please wait for 1 minute and then open the APP again to check the device for its on-line status;
3. Check the stability of the network to which the device is connected. For this purpose, connect a mobile phone or a pad to the same network and place it near to the device, and then try to open a web page;
4. Check whether the home WIFI network is operating normally or whether the WIFI name and password have been modified. If yes, it's also necessary to reset the device and add it again;
5. If the network is normal but the device is still off-line, check whether too many WIFI connections have been made. Try to restart the router, power off and on the device, and then wait for 1minute to see whether the device can be reconnected;
If none steps above work, it's recommended to remove the device and add it again. If the problem persists, please promptly contact our customer service.

Q: What should I do when the device has no response to my operation on the APP?
A: Check whether you can surf the Internet on the WIFI network to which the device is currently connected and whether the network is unobstructed. If it's hard to determine, please try again later.

FAQ

Q: Why does the indicator light of the device always flash red?

A: The indicator light flashing red indicates that the food delivery channel is blocked. The user can wash the food bucket.

Q: Why does the indicator light of the device always flash green?

A: When the food level in the food bucket of the feeder is below the food shortage detection standard, the indicator light will flash green to alert the user to promptly supplement foods.

Q: Why is the video lagging or blurry?

A: The cause can be unstable or poor network signals:
1. If the device is currently connected to an network with unstable or poor signals, it's recommended to watch the video at a different time period;
2. Placing the device far away from the router will also cause poor WIFI signals. In this case, it's recommended to adjust the position of the device
3. If the mobile phone is connected to a WIFI or 4G/5G network with poor signals, it's recommended to have a try at another place.

Q: Why does my screen become grayscale when I play a video?

A: The screen becomes grayscale as the night vision mode is turned on. When the external light dims to a certain degree, the device will enter this mode, and when the light becomes brighter, it will exit this mode and display colors.

Q: What should I do when a video cannot be displayed normally or the prompt "Failed to play the video" appears?

A: 1. Return to the "Device List" screen on the homepage of the APP and pull down the list for refreshing. Tap the desired device to enter its screen for watching the video, and wait for the video to display. If the video still cannot be played normally, please follow step 2;
2. Exit the APP and open it again, and then tap to play the video.

Q: The APP shows that "There is yet no recorded video available for playback" when I use the playback feature. What is the reason?

A: The reason can be that the device has not stored the recorded video. The device currently supports two video recording and storage modes as follows:
1. MicroSD (TF) card storage: Insert a MicroSD (TF) card into the device (16-512GB, Qass10 and later memory cards supported). Select "Memory Card Settings" in the device settings, and select the video recording mode you need, and the device can then record a video and store it on the MicroSD (TF) card. You can now watch the video with the playback feature;
2. Cloud storage: Select the cloud storage feature and follow the steps to activate relevant services depending on your own needs. After activation, the device can record a video and store it to the cloud. You can now watch the video with the playback feature.

FAQ

Q: When I am out, can I watch my pet(s) at home through the 4G/5G network?

A: You can interact with your pet(s) at home through the 4G/5G network wherever you are.

Q: What is the reason for echoes and squeals during a two-way call?

A: They are normal phenomena. Placing the mobile phone too close to the device will cause radio interference, which is a common issue among devices with an intercom function on the market, such as security cameras. This issue can be resolved by keeping the mobile phone more than 7-8 meters away from the device or controlling the device remotely.

Q: Is the device able to be moisture- and insect-proof?

A: There is a sealing ring on the feeder bucket cover, desiccant is spread on the inner wall of the food bucket, the outer side of the food outlet is closed, and a soft rubber barrier is provided on the inner side of the food outlet. Therefore, these can all effectively reduce the risk of dampened food and insect entry.

Q: Will the device continue to dispense food when the feeder indicates that there is not enough food remaining?

A: When the food level inside the food bucket is below the food shortage detection standard, the APP will indicate that there is not enough food remaining. In this case, the feeder can continue to dispense several portions of food. However, please supplement food in time to avoid depletion.

Q: The feeder doesn't perform scheduled feeding when this feature is activated. What is the reason?

A: 1. The food dispensing channel is blocked. It's recommended to remove the food bucket and clean it up. If the problem persists, please see step 2.
2. Check the joint between the food bucket and the base. If there is a gap and the food bucket shakes when waved slightly, these indicate that the food bucket is not assembled in place. Please re-install it.